

Personalised Screening for Sight Threatening Diabetic Retinopathy Results of the ISDR Research Programme and Future Directions

25th September 2019
Liverpool Town Hall

The aims of this event are to:

- present the key findings from the ISDR study
- place in context what is known and what the ISDR results add
- hold facilitated discussions bringing in comments from the audience
- identify and develop research questions and future directions
- discuss future directions for screening in the UK, Europe and globally

The structure of each session will comprise a presentation of headline results, a review of the literature and a facilitator-guided discussion. Facilitators (to be confirmed) will bring in the relevant experts and draw out key questions and comments, main research questions and implications for clinical practice and policies. Delegates will receive prior information to be treated in confidence.

10:30 – 11:00 *Registration*

11:00 – 11:10 Welcome by Simon Harding

Session 1

11:10 – 11:25 Setting the context: personalised screening for DR (*Irene Stratton*)
- *national and international context of the ISDR study*
10 mins + 5 mins discussion

11:25 – 11:40 ISDR RCT trial design (*Marta García-Fiñana*)
- *features and challenges in designing the ISDR randomised controlled trial*
10 mins + 5 mins discussion

11:40 – 12:15 ISDR RCT results: safety and efficacy (*Deborah Broadbent*)
- *headline results of the RCT*
10 mins + 25 mins discussion

12:15 – 12:50 ISDR RCT results: acceptability (*Paula Byrne*)
- *impact for patients and health care professionals of extended and individualised screening, including discussion with ISDR PPI group*
10 mins + 25 mins discussion

12:50 – 13:30 *Lunch*

Session 2

13:30 – 14:00 Health economics in the ISDR studies (*Marilyn James*)
- *costs of screening, cost effectiveness, implications for policy*
10 mins + 20 mins discussion

14:00 – 14:45 Patient and public involvement (PPI) (*PPI team, Simon Harding, Paula Byrne*)
- *patients in research, lessons from ISDR on involving PPI, setting risk intervals*
10 mins + 20 mins discussion

14:45 – 15:05 *Tea and coffee*

Session 3

- 15:10 – 15:35 ISDR Risk Calculation Engine (RCE) and models (*Antonio Eleuteri*)
- *risk models in screening, strategies for validation*
10 mins + 15 mins discussion
- 15:35 – 15:55 ISDR Observational Cohort Study (*Jiten Vora/Chris Cheyne*)
- *prevalence and incidence of DR and STDR, national and international context*
10 mins + 10 mins discussion
- 15:55 – 16:40 Session 7: Future directions and debate
- *topics brought over from earlier sessions*
- *policy and public health; policy implications and future research; extended intervals, risk-based screening, 6-month interval; AI, automated grading, NHS landscape; validation; upscale; international perspective*
- 16:40 *Close*
- 17:00 – 18:00 *Drinks Reception*